



Billing Code: 5001-06

DEPARTMENT OF DEFENSE

Office of the Secretary

(Transmittal Nos. 14-54)

36(b)(1) Arms Sales Notification

AGENCY: Department of Defense, Defense Security Cooperation Agency.

ACTION: Notice.

SUMMARY: The Department of Defense is publishing the unclassified text of a section 36(b)(1) arms sales notification. This is published to fulfill the requirements of section 155 of Public Law 104-164 dated July 21, 1996.

FOR FURTHER INFORMATION CONTACT: Ms. B. English, DSCA/DBO/CFM, (703) 601-3740.

The following is a copy of a letter to the Speaker of the House of Representatives, Transmittals 14-54 with attached transmittal, policy justification and sensitivity of technology.

Dated: October 14, 2014.

Aaron Siegel,
Alternate OSD Federal Register Liaison Officer,
Department of Defense.



DEFENSE SECURITY COOPERATION AGENCY
201 12TH STREET SOUTH, STE 203
ARLINGTON, VA 22202-5408

The Honorable John A. Boehner
Speaker of the House
U.S. House of Representatives
Washington, DC 20515

OCT 06 2014

Dear Mr. Speaker:

Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 14-54, concerning the Department of the Army's proposed Letter(s) of Offer and Acceptance to Estonia for defense articles and services estimated to cost \$55 million. After this letter is delivered to your office, we plan to issue a press statement to notify the public of this proposed sale.

Sincerely,

J. W. Rixdy
Vice Admiral, USN
Director

Enclosures:

1. Transmittal
2. Policy Justification
3. Sensitivity of Technology



Transmittal No. 14-54

Notice of Proposed Issuance of Letter of Offer
Pursuant to Section 36(b)(1)
of the Arms Export Control Act, as amended

- (i) Prospective Purchaser: Estonia
- (ii) Total Estimated Value:

Major Defense Equipment*	\$42 million
Other	<u>\$13 million</u>
TOTAL	\$55 million
- (iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase: 350 Javelin Guided Missiles, 120 Command Launch Units (CLU) with Integrated Day/Thermal Sight, 102 Battery Coolant Units, 16 Enhanced Performance Basic Skills Trainers (EPBST), 102 Missile Simulation Rounds (MSR), spare and repair parts, rechargeable and non-rechargeable batteries, battery chargers and dischargers, support equipment, publications and technical data, personnel training and training equipment, U.S. Government and contractor representative engineering, technical and logistics support services, and other related logistics support.
- (iv) Military Department: Army (UCG)
- (v) Prior Related Cases, if any: None
- (vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None
- (vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Annex attached.
- (viii) Date Report Delivered to Congress: 06 October 2014

* As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Estonia – Javelin Missiles

The Government of Estonia has requested a possible sale of 350 Javelin Guided Missiles, 120 Command Launch Units (CLU) with Integrated Day/Thermal Sight, 102 Battery Coolant Units, 16 Enhanced Performance Basic Skills Trainers (EPBST), 102 Missile Simulation Rounds (MSR), spare and repair parts, rechargeable and non-rechargeable batteries, battery chargers and dischargers, support equipment, publications and technical data, personnel training and training equipment, U.S. Government and contractor representative engineering, technical and logistics support services, and other related logistics support. The estimated cost is \$55 million.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of a NATO ally.

The proposed sale will improve Estonia's capability to meet current and future threats and provide greater security for its critical infrastructure. Estonia will use the enhanced capability to strengthen its homeland defense. Estonia will have no difficulty absorbing these missiles into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractors will be Raytheon/Lockheed Martin Javelin Joint Venture in Orlando, Florida and Tucson, Arizona. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any U.S. Government or contractor representatives to Estonia.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

Transmittal No. 14-54

Notice of Proposed Issuance of Letter of Offer
Pursuant to Section 36(b)(1)
of the Arms Export Control Act, as amended

Annex
Item No. vii

(vii) Sensitivity of Technology:

1. The Javelin Weapon System is a medium-range, man-portable, shoulder-launched, fire-and-forget, anti-armor system. Javelin uses fire-and-forget technology which allows the gunner to fire and immediately relocate or take cover. Other features include top attack and direct fire modes, an advanced tandem warhead and imaging infrared seeker, target lock-on before launch, and soft launch from enclosures. The Javelin missile also has a minimum smoke motor thus decreasing its detection on the battlefield. The Javelin Training System consists of the following training devices: the missile simulation round, the basic skills trainer and the field tactical trainer, Javelin Weapon Effects Simulator (JAVWES), and tripod.

3. The Javelin Weapon System is comprised of two major tactical components, which include a reusable Command Launch Unit (CLU) and a round contained in a disposable launch tube assembly. The CLU incorporates an integrated day-night sight that provides a target engagement capability in adverse weather and countermeasure environments. The CLU may also be used in a stand-alone mode for battlefield surveillance and target detection. The CLU's thermal sight is a second generation Forward-Looking Infrared (FLIR) sensor operating in the 8-10 micron wavelength and has a 240 X 2 scanning array with a Dewar-coolant unit. To facilitate initial loading and subsequent updating of software, all on-board missile software is uploaded via the CLU after mating and prior to launch.

4. The Javelin Missile System hardware and the documentation are Unclassified. The missile software which resides in the CLU is considered sensitive. The sensitivity is primarily in the software programs which instruct the system how to operate in the presence of countermeasures. Programs are contained in the system in the form of microprocessors with Read Only Memory (ROM) maps, which do not provide the software program itself. The overall hardware is considered sensitive in that the modulation frequency and infrared wavelengths could be used in countermeasure development.

5. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

6. A determination has been made that the recipient country can provide the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.

7. All defense articles and services listed in this transmittal have been authorized for release and export to the Government of Estonia.

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